

10/556,233

7/9/07

John Di Natale

=> d his full

(FILE 'HOME' ENTERED AT 14:32:48 ON 09 JUL 2007)

FILE 'REGISTRY' ENTERED AT 14:32:52 ON 09 JUL 2007

FILE 'CASREACT' ENTERED AT 14:33:05 ON 09 JUL 2007

L1 STRUCTURE UPLOADED  
L2 QUE ABB=ON PLU=ON L1  
L3 QUE ABB=ON PLU=ON L1  
D L3

FILE 'ZCAPLUS' ENTERED AT 14:35:20 ON 09 JUL 2007

E WO2004-EP4589/APPS  
L4 1 SEA ABB=ON PLU=ON WO2004-EP4589/APPS  
D SCA  
SEL RN  
E US2007-556233/APPS  
D BIB  
SEL RN

FILE 'REGISTRY' ENTERED AT 14:36:51 ON 09 JUL 2007

L5 3 SEA ABB=ON PLU=ON (21651-19-4/BI OR 65-85-0/BI OR 797032-29-2  
/BI)  
D SCA  
L6 15630 SEA ABB=ON PLU=ON O S/ELF  
L7 506 SEA ABB=ON PLU=ON O SN/ELF  
L8 1 SEA ABB=ON PLU=ON L7 AND L5  
L9 2 SEA ABB=ON PLU=ON L7 AND P/ELS  
D SCA

FILE 'CASREACT' ENTERED AT 14:40:50 ON 09 JUL 2007

L10 QUE ABB=ON PLU=ON L1

FILE 'REGISTRY' ENTERED AT 14:41:31 ON 09 JUL 2007

L11 317611 SEA ABB=ON PLU=ON P/ELS AND CASREACT/LC

FILE 'CASREACT' ENTERED AT 14:42:28 ON 09 JUL 2007

L12 118 SEA ABB=ON PLU=ON L7  
L13 0 SEA SUB=L12 SSS SAM L1 ( 0 REACTIONS)

FILE 'ZCAPLUS' ENTERED AT 14:45:39 ON 09 JUL 2007

D OS L4

FILE 'REGISTRY' ENTERED AT 14:47:11 ON 09 JUL 2007

L14 32551 SEA ABB=ON PLU=ON SN/ELS AND CASREACT/LC

FILE 'CASREACT' ENTERED AT 14:47:31 ON 09 JUL 2007

L15 29306 SEA ABB=ON PLU=ON L14  
L16 29306 SEA ABB=ON PLU=ON L15 OR L12  
L17 45 SEA SUB=L16 SSS SAM L1 ( 917 REACTIONS)  
D STAT QUE L17  
L18 919 SEA SUB=L16 SSS FUL L1 ( 12819 REACTIONS)  
SAVE TEMP L18 CHO233STR1L/A  
L19 2 SEA ABB=ON PLU=ON L18 (L) L12  
D SCA  
SEL RX

FILE 'REGISTRY' ENTERED AT 14:55:39 ON 09 JUL 2007

L20 9 SEA ABB=ON PLU=ON (151461-66-4/RN OR 21651-19-4/RN OR  
9004-74-4/RN OR 99-96-7/RN OR 109942-41-8/RN OR 1562-00-1/RN  
OR 214001-64-6/RN OR 65-85-0/RN OR 764-85-2/RN)  
D SCA  
D SCA L9

FILE 'ZCAPLUS' ENTERED AT 14:59:34 ON 09 JUL 2007

L21 2 SEA ABB=ON PLU=ON L9  
D SCA  
D SCA L4

L22 3457 SEA ABB=ON PLU=ON 65-85-0D?/OBI  
L23 834 SEA ABB=ON PLU=ON L22 (5W) ?ESTER?/BI  
L24 97 SEA ABB=ON PLU=ON L23 (L) PREP/RL  
D SCA L4

FILE 'REGISTRY' ENTERED AT 15:04:28 ON 09 JUL 2007

E NEODOL 25E/CN

L25 1 SEA ABB=ON PLU=ON NEODOL 25E/CN  
D SCA

FILE 'ZCAPLUS' ENTERED AT 15:05:35 ON 09 JUL 2007

L26 4 SEA ABB=ON PLU=ON L25  
D SCA

L27 173550 SEA ABB=ON PLU=ON ALCOHOL?/CW  
L28 2998341 SEA ABB=ON PLU=ON (RGT OR RCT OR RACT)/RL  
L29 26029 SEA ABB=ON PLU=ON L27 (L) L28  
L30 26033 SEA ABB=ON PLU=ON L26 OR L29  
L31 31977 SEA ABB=ON PLU=ON L7  
L32 4 SEA ABB=ON PLU=ON L24 AND L30  
L33 1 SEA ABB=ON PLU=ON L24 AND L31  
L34 5 SEA ABB=ON PLU=ON (L32 OR L33)  
D SCA  
D SCA L33  
SEL RN L32

FILE 'REGISTRY' ENTERED AT 15:09:23 ON 09 JUL 2007

L35 69 SEA ABB=ON PLU=ON (65-85-0/BI OR 9003-53-6/BI OR 100-21-0/BI  
OR 111-20-6/BI OR 121-91-5/BI OR 123-99-9/BI OR 124-04-9/BI OR  
25038-59-9/BI OR 528-44-9/BI OR 621-82-9/BI OR 7664-38-2/BI OR  
77-92-9/BI OR 85-44-9/BI OR 88-99-3/BI OR 9002-86-2/BI OR  
93-97-0/BI OR 104-54-1/BI OR 106-89-8/BI OR 106-98-9/BI OR  
107-01-7/BI OR 109-67-1/BI OR 109-68-2/BI OR 109-94-4/BI OR  
111-27-3/BI OR 111-70-6/BI OR 115-07-1/BI OR 115-11-7/BI OR  
122-60-1/BI OR 127936-78-1/BI OR 127936-79-2/BI OR 1333-74-0/BI  
OR 13537-24-1/BI OR 136917-94-7/BI OR 141-78-6/BI OR 142-29-0/  
BI OR 1436-34-6/BI OR 1460-57-7/BI OR 15051-95-3/BI OR  
17628-72-7/BI OR 20383-15-7/BI OR 20386-93-0/BI OR 203862-86-6/  
BI OR 20780-54-5/BI OR 2426-08-6/BI OR 26760-64-5/BI OR  
286-20-4/BI OR 295778-79-9/BI OR 3678-15-7/BI OR 502-41-0/BI  
OR 538-43-2/BI OR 543-49-7/BI OR 54972-97-3/BI OR 592-47-2/BI  
OR 60421-37-6/BI OR 624-52-2/BI OR 630-08-0/BI OR 64-18-6/BI  
OR 64-19-7/BI OR 681143-66-8/BI OR 6920-22-5/BI OR 693-13-0/BI  
OR 696-71-9/BI OR 7429-40-5/BI OR 80717-20-0/BI OR 873-75-6/BI  
OR 873-76-7/BI OR 93-56-1/BI OR 96-09-3/BI OR 96-24-2/BI)

L36 0 SEA ABB=ON PLU=ON L35 AND SN/ELS  
L37 1 SEA ABB=ON PLU=ON L35 AND P/ELS  
D SCA

FILE 'ZCAPLUS' ENTERED AT 15:09:54 ON 09 JUL 2007

L38 2 SEA ABB=ON PLU=ON L34 AND L37  
 D SCA  
 L39 7973 SEA ABB=ON PLU=ON ESTERIFICATION CATALYST?/CW  
 L40 90 SEA ABB=ON PLU=ON L7 AND L39  
  
 FILE 'REGISTRY' ENTERED AT 15:12:04 ON 09 JUL 2007  
 L41 1 SEA ABB=ON PLU=ON BENZOIC ACID/CN  
  
 FILE 'ZCAPLUS' ENTERED AT 15:12:29 ON 09 JUL 2007  
 L42 35025 SEA ABB=ON PLU=ON L41  
 L43 6 SEA ABB=ON PLU=ON L40 AND L42  
 D SCA  
  
 FILE 'REGISTRY' ENTERED AT 15:13:52 ON 09 JUL 2007  
  
 FILE 'ZCAPLUS' ENTERED AT 15:13:59 ON 09 JUL 2007  
 L44 TRA PLU=ON L40 1- RN : 625 TERMS  
  
 FILE 'REGISTRY' ENTERED AT 15:14:05 ON 09 JUL 2007  
 L45 625 SEA ABB=ON PLU=ON L44  
 L46 6 SEA ABB=ON PLU=ON L45 AND P/ELS  
 D SCA  
  
 FILE 'ZCAPLUS' ENTERED AT 15:14:35 ON 09 JUL 2007  
 L47 10 SEA ABB=ON PLU=ON L40 AND L46  
 D SCA  
 L48 3 SEA ABB=ON PLU=ON L24 AND L46  
 D SCA  
 L49 1 SEA ABB=ON PLU=ON L24 AND L7  
 L50 0 SEA ABB=ON PLU=ON L41 AND L47  
 L51 6 SEA ABB=ON PLU=ON L42 AND L40  
 L52 97311 SEA ABB=ON PLU=ON ESTER?/CW  
 L53 10248 SEA ABB=ON PLU=ON L52 (L) PREP/RL  
 L54 13 SEA ABB=ON PLU=ON L53 AND L7  
 SEL RN  
  
 FILE 'REGISTRY' ENTERED AT 15:22:52 ON 09 JUL 2007  
 L55 214 SEA ABB=ON PLU=ON (18282-10-5/BI OR 21651-19-4/BI OR  
 107-18-6/BI OR 111-87-5/BI OR 11104-61-3/BI OR 11118-57-3/BI  
 OR 11129-18-3/BI OR 1302-42-7/BI OR 1305-78-8/BI OR 1309-48-4/B  
 I OR 1332-37-2/BI OR 1344-28-1/BI OR 1344-70-3/BI OR 13463-67-7  
 /BI OR 141-78-6/BI OR 301-04-2/BI OR 557-34-6/BI OR 638-38-0/BI  
 OR 64-17-5/BI OR 7440-31-5/BI OR 75-07-0/BI OR 77-68-9/BI OR  
 78-84-2/BI OR 94-50-8/BI OR 100-37-8/BI OR 100-52-7/BI OR  
 102-62-5/BI OR 103-23-1/BI OR 103-81-1/BI OR 10369-86-5/BI OR  
 104-15-4/BI OR 104-76-7/BI OR 105-07-7/BI OR 105-46-4/BI OR  
 105-57-7/BI OR 107-01-7/BI OR 107-02-8/BI OR 107-19-7/BI OR  
 107-21-1/BI OR 107-31-3/BI OR 108-21-4/BI OR 108-24-7/BI OR  
 109-87-5/BI OR 110-15-6/BI OR 11099-02-8/BI OR 111-27-3/BI OR  
 111-55-7/BI OR 111-70-6/BI OR 11113-84-1/BI OR 11113-88-5/BI  
 OR 11113-93-2/BI OR 11129-60-5/BI OR 1114-92-7/BI OR 112-30-1/B  
 I OR 112-53-8/BI OR 112-92-5/BI OR 1129-35-7/BI OR 115-07-1/BI  
 OR 117-81-7/BI OR 12026-24-3/BI OR 12036-10-1/BI OR 12057-24-8/  
 BI OR 12136-45-7/BI OR 122-45-2/BI OR 122-59-8/BI OR 122-88-3/B  
 I OR 122350-76-9/BI OR 123-29-5/BI OR 123-38-6/BI OR 123-72-8/B  
 I OR 123-96-6/BI OR 124-07-2/BI OR 124-19-6/BI OR 126-40-9/BI  
 OR 12624-27-0/BI OR 12627-00-8/BI OR 12651-21-7/BI OR 12680-36-  
 3/BI OR 12712-92-4/BI OR 12737-02-9/BI OR 12777-38-7/BI OR  
 1304-28-5/BI OR 1304-76-3/BI OR 1305-62-0/BI OR 1306-19-0/BI  
 OR 1306-38-3/BI OR 1309-37-1/BI OR 1309-42-8/BI OR 1310-58-3/BI

OR 1310-65-2/BI OR 1310-73-2/BI OR 1312-81-8/BI OR 1313-27-5/B  
 I OR 1313-59-3/BI OR 1313-99-1/BI OR 1314-08-5/BI OR 1314-11-0/  
 BI OR 1314-13-2/BI OR 1314-23-4/BI OR 1314-56-3/BI OR 1314-62-1  
 /BI OR 1317-36-8/BI OR 1327-33-9/BI OR 133-32-4/BI OR 1332-29-2  
 /BI OR 136-60-7/BI OR 142-72-3/BI OR 143080-35-7/BI OR  
 144-19-4/BI OR 14808-79-8/BI OR 15261-78-6/BI OR 16737-87-4/BI  
 OR 1679-64-7/BI OR 1719

L56 1 SEA ABB=ON PLU=ON L55 AND P/ELS  
 D SCA

FILE 'ZCAPLUS' ENTERED AT 15:23:28 ON 09 JUL 2007

L57 1 SEA ABB=ON PLU=ON L54 AND L56  
 D SCA  
 D BIB

L58 0 SEA ABB=ON PLU=ON L24 AND L25

L59 1 SEA ABB=ON PLU=ON L24 AND L7  
 D SCA

L60 132647 SEA ABB=ON PLU=ON ESTERIF?/BI

L61 127 SEA ABB=ON PLU=ON L60 AND L7  
 D COST

L62 1 SEA ABB=ON PLU=ON L24 AND L61  
 D SCA

FILE 'REGISTRY' ENTERED AT 15:27:51 ON 09 JUL 2007

FILE 'ZCAPLUS' ENTERED AT 15:27:58 ON 09 JUL 2007

L63 TRA PLU=ON L61 1- RN : 898 TERMS

FILE 'REGISTRY' ENTERED AT 15:28:06 ON 09 JUL 2007

L64 898 SEA ABB=ON PLU=ON L63

L65 18 SEA ABB=ON PLU=ON L64 AND P/ELS

FILE 'ZCAPLUS' ENTERED AT 15:29:14 ON 09 JUL 2007

L66 18 SEA ABB=ON PLU=ON L61 AND L65

L67 0 SEA ABB=ON PLU=ON L41 AND L66

L68 26 SEA ABB=ON PLU=ON L38 OR L43 OR L47 OR L57 OR L66

FILE 'REGISTRY' ENTERED AT 15:32:35 ON 09 JUL 2007

L69 11562 SEA ABB=ON PLU=ON SN/ELS (P) P/ELS

L70 8740 SEA ABB=ON PLU=ON SN/ELS AND P/ELS AND O/ELS

FILE 'ZCAPLUS' ENTERED AT 15:33:26 ON 09 JUL 2007

L71 3707 SEA ABB=ON PLU=ON L70

L72 6 SEA ABB=ON PLU=ON L39 AND L71  
 D SCA

L73 22 SEA ABB=ON PLU=ON L60 AND L71

L74 0 SEA ABB=ON PLU=ON L73 AND L41

L75 0 SEA ABB=ON PLU=ON L23 AND L73

L76 14 SEA ABB=ON PLU=ON L73 NOT (L72 OR L68)  
 SEL HIT RN

FILE 'REGISTRY' ENTERED AT 15:37:24 ON 09 JUL 2007

L77 34 SEA ABB=ON PLU=ON (125951-59-9/BI OR 125951-60-2/BI OR  
 15578-26-4/BI OR 15578-32-2/BI OR 157074-95-8/BI OR 157930-74-0/  
 /BI OR 16834-09-6/BI OR 170120-04-4/BI OR 185509-39-1/BI OR  
 185509-40-4/BI OR 185509-41-5/BI OR 2117-84-2/BI OR 55520-00-8/  
 BI OR 55520-01-9/BI OR 55520-02-0/BI OR 55520-03-1/BI OR  
 55520-04-2/BI OR 55520-05-3/BI OR 55520-06-4/BI OR 55582-72-4/B  
 I OR 55884-37-2/BI OR 561023-63-0/BI OR 561023-73-2/BI OR  
 61361-85-1/BI OR 61392-15-2/BI OR 79940-50-4/BI OR 81104-56-5/B

I OR 81104-57-6/BI OR 81104-58-7/BI OR 81104-59-8/BI OR  
81104-60-1/BI OR 81104-61-2/BI OR 81157-41-7/BI OR 95783-20-3/B  
I)

D SCA

L78 5 SEA ABB=ON PLU=ON L77 AND NC>1

D SCA

L79 3 SEA ABB=ON PLU=ON L78 NOT C/ELS

FILE 'ZCAPLUS' ENTERED AT 15:39:06 ON 09 JUL 2007

L80 3 SEA ABB=ON PLU=ON L79 AND L76

L81 8 SEA ABB=ON PLU=ON BIEHL P?/AU

L82 5 SEA ABB=ON PLU=ON SUESSENBACH A?/AU

L83 40 SEA ABB=ON PLU=ON SCHWERIN A?/AU

L84 126 SEA ABB=ON PLU=ON FIEG G?/AU

L85 1 SEA ABB=ON PLU=ON KRUEPPEL H?/AU OR KRUPPEL H?/AU

L86 6 SEA ABB=ON PLU=ON SCHOLINAKIS K?/AU

L87 1 SEA ABB=ON PLU=ON (L81 OR L82 OR L83 OR L84 OR L85 OR L86)  
AND (L38 OR L43 OR L47 OR L57 OR L66 OR L72 OR L80)

FILE 'HCAPLUS' ENTERED AT 15:42:07 ON 09 JUL 2007

L88 2 SEA ABB=ON PLU=ON L19

L89 0 SEA ABB=ON PLU=ON L88 AND (L81 OR L82 OR L83 OR L84 OR L85  
OR L86)

FILE 'ZCAPLUS' ENTERED AT 15:42:31 ON 09 JUL 2007

L90 1 SEA ABB=ON PLU=ON L81 AND (L82 OR L83 OR L84 OR L85 OR L86)

L91 2 SEA ABB=ON PLU=ON L82 AND (L83 OR L84 OR L85 OR L86)

L92 2 SEA ABB=ON PLU=ON L83 AND (L84 OR L85 OR L86)

L93 1 SEA ABB=ON PLU=ON L84 AND (L85 OR L86)

L94 1 SEA ABB=ON PLU=ON L85 AND L86

L95 3 SEA ABB=ON PLU=ON (L90 OR L91 OR L92 OR L93 OR L94)

L96 1 SEA ABB=ON PLU=ON L7 AND (L81 OR L82 OR L83 OR L84 OR L85 OR  
L86)

L97 1 SEA ABB=ON PLU=ON L23 AND (L81 OR L82 OR L83 OR L84 OR L85  
OR L86)

FILE 'REGISTRY' ENTERED AT 15:44:49 ON 09 JUL 2007

FILE 'ZCAPLUS' ENTERED AT 15:44:53 ON 09 JUL 2007

D STAT QUE L87

D STAT QUE L95

D STAT QUE L96

L98 8 SEA ABB=ON PLU=ON L87 OR L95 OR L86

L99 3 SEA ABB=ON PLU=ON L87 OR L95 OR L96  
D IBIB ABS HITIND HITSTR L99 1-3

FILE 'REGISTRY' ENTERED AT 15:46:08 ON 09 JUL 2007

FILE 'ZCAPLUS' ENTERED AT 15:46:13 ON 09 JUL 2007

D STAT QUE L38

D STAT QUE L43

D STAT QUE L47

D STAT QUE L57

D STAT QUE L66

D STAT QUE L72

D STAT QUE L80

L100 33 SEA ABB=ON PLU=ON (L38 OR L43 OR L47 OR L57 OR L66 OR L72 OR  
L80) NOT L99

FILE 'CASREACT' ENTERED AT 15:47:17 ON 09 JUL 2007

D STAT QUE L19

FILE 'CASREACT, ZCAPLUS' ENTERED AT 15:47:28 ON 09 JUL 2007  
L101 35 DUP REM L19 L100 (0 DUPLICATES REMOVED)  
ANSWERS '1-2' FROM FILE CASREACT  
ANSWERS '3-35' FROM FILE ZCAPLUS  
D IBIB ABS HIT L101 1-2  
D IBIB ABS HITIND HITSTR L101 3-35

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 8 JUL 2007 HIGHEST RN 941671-52-9  
DICTIONARY FILE UPDATES: 8 JUL 2007 HIGHEST RN 941671-52-9

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TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

FILE CASREACT

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FILE CONTENT:1840 - 7 Jul 2007 VOL 147 ISS 3

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\* CASREACT now has more than 12 million reactions \*  
\* \*  
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